



## Update in environmental and occupational lung diseases 2013

**Author(s):** Carlsten C, Georas SN  
**Year:** 2014  
**Journal:** American Journal of Respiratory and Critical Care Medicine. 189 (9): 1037-1043

### Abstract:

In this update, recent publications within the field of environmental and occupational medicine, from this journal and others, are highlighted. Effects of ambient air pollution on a diverse range of airways disease continue to be discovered, reiterating the impressive potency of this near-ubiquitous and largely anthropogenic toxicant. Air pollution is now recognized as the third leading cause of disability-adjusted life years due to chronic respiratory disease globally. Studies in the past year have significantly strengthened the link between air pollution exposure and adverse health outcomes including mortality, lung cancer, infections, and obstructive lung disease (including asthma). Important underlying mechanistic details were illuminated in several animal models. The association between poor indoor air quality and lung diseases is a topic of increasing interest and was investigated in several reports in 2013. Controlled human exposure experiments were in the spotlight, in part because of ethical concerns about the justification of this approach. An important position paper by leading researchers and a biomedical ethicist strongly supports the usefulness of controlled exposures, which continue to provide new insights into adverse health effects of different pollutants.

**Source:** <http://dx.doi.org/10.1164/rccm.201401-0108UP>

### Resource Description

#### Exposure :

weather or climate related pathway by which climate change affects health

Temperature

**Temperature:** Extreme Heat

#### Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

#### Geographic Location:

resource focuses on specific location

Non-United States, United States

**Non-United States:** Europe

# Climate Change and Human Health Literature Portal

**European Region/Country:** European Country

**Other European Country :** Greece

**Health Impact:** ☒

specification of health effect or disease related to climate change exposure

Respiratory Effect

**Respiratory Effect:** Chronic Obstructive Pulmonary Disease, Other Respiratory Effect

**Respiratory Condition (other) :** respiratory morbidity and mortality

**Resource Type:** ☒

format or standard characteristic of resource

Review

**Timescale:** ☒

time period studied

Time Scale Unspecified